

## ABSTRACT

A nanotube of which basic skeleton is made of a noble metal element is provided.

The skeleton of the nanotube is made of (1) a  
5 single noble metal element of gold (Au), silver (Ag),  
platinum (Pt), palladium (Pd), rhodium (Rh), or iridium  
(Ir) as noble metal elements, of (2) a mixture in which  
(Ru) is added to the above (1) in any proportion, or of  
(3) a mixture in which a base metal element is added to  
10 the above (1) or (2) in any proportion, and the noble  
metal nanotube has a tubular form of about 5-7 nm in  
outer diameter, about 2-4 nm in inner diameter, about 1-  
2 nm in thickness, and 10 nm or more in length.